Tectonophysics, 201 (1992) 401–402
Elsevier Science Publishers B.V., Amsterdam

CONTENTS

Tectonophysics Volume 201

Special section: Palaeomagnetism of Old European Rocks (edited by H. Perroud and G. Bylund)

Preface vii
A revised magnetostratigraphy for the Mid-Proterozoic Gardar lava succession, South Greenland
D.N. Thomas and J.D.A. Piper (Liverpool, UK) 1
Palaeomagnetic properties of a Precambrian metamorphic terrane: the Lewisian complex of the Outer Hebrides, NW Scotland
J.D.A. Piper (Liverpool, UK) 17
Palaeomagnetism, mafic dykes and the Protogine Zone, southern Sweden
G. Bylund (Lund, Sweden) 49
A practical suggestion regarding the use of Scandinavian and Russian palaeomagnetic data to determine the palaeo-position of Baltica in Ordovician time
M.A. Smethurst (Trondheim, Norway) 65
The palaeogeographic evolution of Southern Britain during Palaeozoic times: a reconciliation of palaeomagnetic and biogeographic evidence
A. Trench and T.H. Torsvik (Lade, Trondheim, Norway), and W.S. McKerrow (Oxford, UK) 75
Geodynamical implications of a Moscovian palaeomagnetic pole from the stable Saharan craton (Illizi basin, Algeria)
B. Henry (Saint-Maur, France), N. Merabet, A. Yelles and M.M. Derder (Bouzareah, Alger, Algeria), and L. Daly (Saint-Maur, France) 83
Palaeomagnetic constraints upon the palaeogeographic position of the Baltic Shield in the Ordovician
H. Perroud and M. Robardet (Rennes, France), and D.L. Bruton (Oslo, Norway) 97
Palaeomagnetism and $^{40}Ar/^{39}Ar$ dating of the Trégor dolerites (Armorican Massif, France)
G. Ruffet and H. Perroud (Rennes, France), and G. Féraud (Nice, France) 121

Regular section

Research Papers
Determining paleostress orientations from faults and calcite twins: a case study near the Sainte-Victoire Range (southern France)
O. Lacombe and J. Angelier (Paris, France), and P. Laurent (Montpellier, France) 141
Paleomagnetism of Paleogene rocks of the Central-East Kamchatka and Komanorsky Islands: tectonic implications
M.L. Bazhenov, V.S. Burtman and O.A. Krezhovskikh (Moscow, USSR), and M.N. Shipiro (Moscow, USSR) 157
Seismicity and geodynamics of the low-to high-grade transition zone of peninsular India
B. Ramalingeswara Rao (Hyderabad, India) 175
P-wave velocity in granulites from South India: implications for the continental crust
C. Ramachandran (Bangalore, India) 187

Special section: Detailed Structure and Processes of Active Margins (edited by H. Shimamura, A. Hirn and J. Makris)

Preface xi
Three-dimensional structure and constraints on the nature of the coupled subduction-spreading process in the Aegean area
C.N. Ligdas and I.G. Main (Edinburgh, UK), R.D. Adams (Reading, UK) and (Edinburgh, UK) 199
Irregular geometry of the Gorda subduction and deep structure of the Eel River basin determined from teleseismic P delays
M. Niazi and E. Karageorgi (Berkeley, CA, USA) 209
Active margin processes along the Antarctic Peninsula
J.P. Henriet (Ghent, Belgium), R. Meissner (Kiel, F.R. Germany), H. Miller (Bremerhaven, F.R. Germany) and T.G. Team (Ghent, Belgium) 229

Nature of the Canadian polar margin northwest of Axel Heiberg Island
Z. Hajnal (Saskatoon, Sask., Canada) 255
Upper mantle velocity structure in the Mediterranean and surrounding regions from seismological data
V.G. Krishna, K.L. Kaila and G. Khandekar (Hyderabad, India) 277
Flexure of the crust estimated from in-situ stress measurements and its relation to tectonics
H. Ogasawara (Kyoto, Japan) 303
Microseismicity of the frontal Hellenic arc according to OBS observations
S.A. Kovachev, I.P. Kuzin and S.L. Soloviev (Moscow, USSR) 317
Generalized seismic properties of the lithosphere in the northwest Pacific Basin
A.A. Ostrovsky and A.A. Buravtsev (Moscow, USSR) 328

Regular section

Research Papers
Finite element analysis of Transantarctic Mountain uplift and coeval subsidence in the Ross Embayment
M.H.P. Bott (Durham, UK) and T.A. Stern (Wellington, New Zealand) 341
The lithosphere beneath the northwestern part of the Arabian plate (Jordan): evidence from xenoliths and geophysics
S. Nasir (Irbid, Jordan) 357
Kinematics of the Variscan thrusting in the Eastern Moldanubicum (Bohemian Massif, Czechoslovakia): evidence from the Náměšť granulite massif
M. Urban (Prague, Czechoslovakia) 371
Geometry of isograds: thermodynamic constraints on inversion
D.S. Bhattacharyya (Kharagput, India) 393